Contents of Volume 165

Research Articles

M. Shaw and G.P. Jenkins (Australia)
Spatial variation in feeding, prey distribution and food limitation of juvenile flounder *Rhombosolea tapirina* Günther 1

S.R. Dudgeon and A.S. Johnson (USA)
Thick vs. thin: thallus morphology and tissue mechanics influence differential drag and dislodgement of two co-dominant seaweeds 23

W.S. Grant, A.C. Schneider, R.W. Leslie and M.I. Cherry (South Africa)
Population genetics of the brown mussel *Perna perna* in southern Africa 45

R.J. Meese and P.A. Tomich (USA)
Dots on the rocks: a comparison of percent cover estimation methods 59

S.M. Shuster (USA)
The use of artificial sponges as breeding habitat by *Paracerceis sculpta* (Holmes) (Crustacea: Isopoda) 75

M.P. Lesser, S.E. Shumway, T. Cucci and J. Smith (USA)
Impact of fouling organisms on mussel rope culture: interspecific competition for food among suspension-feeding invertebrates 91

S.S. Epstein, I.V. Burkovsky and M.P. Shiaris (Russia, USA)
Ciliate grazing on bacteria, flagellates, and microalgae in a temperate zone sandy tidal flat: ingestion rates and food niche partitioning 103

Y.K. Ip, S.F. Chew, K.W. Peng and R.W.L. Lim (Singapore)
Effects of environmental anoxia on concentrations of free amino acids and kinetic properties of glutamate dehydrogenase in three body parts of *Phascolosoma arcuatum* (Sipuncula) 125

Research Articles

C.P. Mangum (USA)
Structural and functional polymorphism of the hemocyanin O_2 transport system of the sand fiddler crab *Uca pugilator* 133

K.A. Callicott and C.P. Mangum (USA)
Phenotypic variation and lability of the subunit composition of the hemocyanin of *Uca pugilator* 143

J.-C. Chen and S.-H. Lai (Republic of China)
Effects of temperature and salinity on oxygen consumption and ammonia-N excretion of juvenile *Penaeus japonicus* Bate 161

G.C. Pitcher, J.J. Bolton, P.C. Brown and L. Hutchings (South Africa)
The development of phytoplankton blooms in upwelled waters of the southern Benguela upwelling system as determined by microcosm experiments 171

D. Morritt and T.D.I. Stevenson (UK)
Factors influencing breeding initiation in the beachflea *Orchestia gammarellus* (Pallas) (Crustacea: Amphipoda) 191

J. Pecon Slattery, R.A. Lutz and R.C. Vrijenhoek (USA)
Repeatability of correlations between heterozygosity, growth and survival in a natural population of the hard clam *Mercenaria mercenaria* L. 209

T.W. Snell, P.D. Morris and G. Cecchine (USA)
Localization of the mate-recognition pheromone in *Brachionus plicatilis* O.F. Müller (Rotifera) by fluorescent labeling with lectins 225

A.W. Harvey and E.A. Colasurdo (USA)
Effects of shell and food availability on metamorphosis in the hermit crabs *Pagurus hirsutiusculus* (Dana) and *Pagurus granosimanus* (Stimpson) 237

B. Helmuth and K. Sebens (USA)
The influence of colony morphology and orientation to flow on particle capture by the scleractinian coral *Agaricia agaricites* (Linnaeus) 251

Author Index of Volume 165 279

Contents of Volume 165 281